PTO/SB/08a(04-07)
Approved for use through 7/31/2006. OMB 0651-0031
US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	te for form 1449/	VPTO			
INFO	RMATION	DISCLOSU	JRE		Complete if Known
STAT	EMENT E	Y APPLICA	NT	Application Number	10/665,680
				Filing Date	September 19, 2003
				First Named Inventor	Kendra Gallup
				Art Unit	2883
				Examiner Name	Chiem, Dinh D.
('Use as many she	eets as necessary)			
Sheet	1	of	5	Attorney Docket No: 1	0030768-01

	US PATENT DOCUMENTS						
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Filing Date If Appropriate		
		US-5485021	01/16/1996	Takao, Abe			
		US-6422766	07/23/2002	Althaus et al.			
		US-6774404	08/01/2004	Imai, Sadato			
		US-5801402	09/01/1998	Shin, Hyun-kuk			
		US-4847848	07/01/1989	Inoue et al.			
		US-2004/0086011	05/01/2004	Bhandarkar, Sarvotham M.			
		US-6416238	07/01/2002	Gilliland et al.			
		US-6540412	04/01/2003	Yonemura et al.			
		US-6354747	03/01/2002	Irie et al.			
		US-6652158	11/01/2003	Bartur et al.			
		US-6144787	11/01/2000	Johnston et al.			
		US-5104242	04/01/1992	Ishikawa, Masatake			
		US-6303922	10/01/2001	Kasper, Bryon L.			
		US-5912872	06/15/1999	Feldman, Michael R.			
		US-2003/0116825	06/26/2003	Geefay, Frank			
		US-2002/0179921	12/05/2002	Cohn, Michael B.			
		US-2005/0058222	03/01/2005	Black et al.			
		US-6684033	01/27/2004	Doh et al.			
		US-5565672	10/01/1996	Siegel et al.			
		US-2002/0101641	08/01/2002	Kurchuk, Boris A.			
		US-2005/0052255	03/01/2005	Chiang, Ting-Kuang			
		US-2005/0134349	06/01/2005	Krishnaswami, Anush A.			
		US-2005/0191059	09/01/2005	Swenson et al.			
		US-2002/0152408	10/01/2002	Inui et al.			
		US-5781422	07/01/1998	Lavin et al.			
		US-5532524	07/01/1996	Townsley et al.			
		US-7134032	11/01/2006	Yamada et al.			
		US-6085048	07/01/2000	Mikoshiba et al.			
		US-5998982	12/01/1999	Groeneveld et al.			
		US-6980823	12/01/2005	Challa et al.			
		US-6608476	08/01/2003	Mirov et al.			
		US-6079025	06/01/2000	Fung, Henry T.			
		US-6016548	01/01/2000	Nakamura et al.			
		US-6460143	10/01/2002	Howard et al.			
		US-6230277	05/08/2001	Nakaoka et al.			

EXAMINER DATE CONSIDERED

PTO/SB/08a(04-07)
Approved for use through 7/31/2006. OMB 0651-0031
US Patent & Trademark Office; U.S. DEPARTMENT OF COMMERCE

Ur Substitute for form 1449A/PTO	nder the Paperwork Reduction Act of 1995, no persons are re	quired to respond to a collection of information unless it contains a valid OMB control number
INFORMATION DISCLOSURE		Complete if Known
STATEMENT BY APPLICANT	Application Number	10/665,680
	Filing Date	September 19, 2003
	First Named Inventor	Kendra Gallup
	Art Unit	2883
	Examiner Name	Chiem, Dinh D.
(Use as many sheets as necessary)		
	Attorney Docket No: 1	0030768-01

Sheet

		1		NT DOCUMENTS	Filtra Date
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Filing Date If Appropriate
		US-6089456	07/08/2000	Walsh et al.	
		US-6085328	07/04/2000	Klein et al.	
		US-6047380	04/04/2000	Nolan et al.	
		US-5742833	04/21/1998	Dea et al.	
		US-6801196	10/01/2004	Bodley et al.	
		US-6037641	03/01/2000	Goel, Atul	
		US-5394490	02/01/1995	Kato et al.	
		US-2002/0008326	01/24/2002	Mizusaki, Manabu	
		US-6979810	12/27/2005	OpNext Japan, Inc.	
		US-2007/0206964	09/06/2007	Lee et al.	
		US-2007/0047963	03/01/2007	Dallesasse, John	
		US-5512860	04/30/1996	PMC Sierra, Inc.	
		US-2005/0019042	01/27/2005	Kaneda, Noriaki	
		US-2006/0115280	06/01/2006	Chang, Jae	
		US-2007/0019966	01/25/2007	Delta Electronics, Inc.	
		US-2007/0127929	06/07/2007	Fujitsu Limited	
		US-2007/0154225	07/05/2007	Schulz, Craig	
		US-2007/0154147	07/05/2007	Weem, Jan	
		US-2007/0166047	07/19/2007	Berger, Joern	
		US-5513289	04/30/1996	Hosokawa et al.	
		US-3816847	06/11/1974	Nagao, Hiroyuki	
		US-4993799	02/19/1991	Stein, Karl-Ulrich	
		US-5835514	11/01/1998	Yuen, Albert T., et al.	01/25/1996
		US-5577142	11/19/1996	Mueller-Fiedler et al.	
		US-6567439	05/20/2003	Auracher et al.	
		US-6731882	05/04/2004	Althaus et al.	
		US-5566265	10/15/1996	Spaeth et al.	
		US-20030119308	06/26/2003	Geefay et al.	
		US-2003/0071283	04/17/2003	Heschel	
		US-6275513	08/14/2001	Chang-Hasnain et al.	
		US-6036872	03/14/2000	Wood et al.	
		US-4966430	10/30/1990	Wiedel	
		US-6777263	08/01/2004	Gan et al.	
		US-5956370	09/01/1999	Ducaroir et al.	
		US-6115763	09/01/2000	Douskey et al.	

EXAMINER DATE CONSIDERED

PTC/SB/08a(04-07)
Approved for use through 7/31/2006. OMB 0951-0031
US Petent & Tredemsk Office; U.S. DEPARTIMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO **INFORMATION DISCLOSURE** Complete if Known STATEMENT BY APPLICANT **Application Number** 10/665,680 September 19, 2003 Filing Date Kendra Gallup **First Named Inventor** 2883 **Art Unit** Chiem, Dinh D. **Examiner Name** (Use as many sheets as necessary) Attorney Docket No: 10030768-01 5 3 of Sheet

			US PATE	NT DOCUMENTS	
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Filing Date If Appropriate
		US-6977960	12/20/2005	Takinosawa, Jun	
		US-6874107	03/29/2005	Lesea, Austin H.	
		US-6201829	03/01/2001	Schneider, Thomas R.	
		US-5602855	02/11/1997	Whetsel, Jr.	
		US-4680733	07/14/1987	Duforestel et al.	
		US-2003/0160256	08/01/2003	Durocher et al.	
		US-6274890	08/01/2001	Oshio et al.	
		US-2003/0089902	05/15/2003	Yue, Liu	
		US-6187211	02/01/2001	Smith et al.	
		US-6599666	07/01/2003	Rolfson, J. B.	
		US-4307934	12/01/1981	Palmer, John P.	
		US-5390271	02/01/1995	Priest, John F.	
		US-5552918	09/01/1996	Krug et al.	
		US-6757308	06/01/2004	Eldring et al.	
		US-6759723	07/01/2004	Silverbrook, Kia	
		US-2003/0142914	07/01/2003	Jewell et al.	
		US-6234687	05/01/2001	Hall et al.	
		US-6243508	06/01/2001	Jewell et al.	
		US-5940564	08/17/1999	Jewell, Jack L.	
		US-5578863	11/01/1996	De Poorter, Johannes A.	
		US-5665982	09/01/1997	Torikai, Masahiro	
		US-6686580	02/01/2004	Glenn et al.	

FOREIGN PATENT DOCUMENTS					
	Cite No	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of cited Document	T ²
		WO-01/01497	01/04/2001	Honeywell, Inc.,	
		EP-0713113	05/22/1996	ANT Nachrichtentechnik GmbH,	
		DE-19508222	06/05/1998	Siemens AG,	
		WO98/50810A1	11/12/1998	Bosch, Robert	
		DE-10150401	10/11/2001	Miller, David B., et al.	
		EP-1187373A2	03/01/2002	DOH, , et al.	
		EP-1187373 A3	01/01/2005	DOH, , et al.	
		EP-1199697	04/24/2002	Kikinis,	
		JP-2007/020008	01/25/2007	Hiroyuki, Takahashi	

EXAMINER DATE CONSIDERED

Substitu	te for form 1449/	VPTO	- Oi	nel life repairwork resourcion rector 1999, no persons sie te	quired to respond to a correction of information chieses it contains a valid come control terribo
INFO	RMATION	DISCLOS	URE		Complete if Known
STAT	EMENT E	BY APPLICA	ANT	Application Number	10/665,680
				Filing Date	September 19, 2003
				First Named Inventor	Kendra Gallup
				Art Unit	2883
				Examiner Name	Chiem, Dinh D.
(Use as many sh	eets as necessary)			
Sheet	4	of	5	Attorney Docket No: 1	0030768-01

			FOREIGN P	ATENT DOCUMENTS	
Examiner Initials*	Cite No	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of cited Document	T²
		EP-1104113	05/30/2001	NEC Corporation,	
		EP0366974A1	07/10/1989	Systemtechnik, Telefunken	
		DE4440935A1	05/23/1996	GmbH, ANT N.	
		DE-19823691	12/02/1999	Althaus, Ludwig, , et al.	
		DE-3834335	04/12/1990	Weidel, Edgar , et al.	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		AGILENT TECHNOLOGIES, INC., "Gigabit Ethernet and Fibre Channel SerDes ICs", Technical Data Sheet, (04/2000),	
		"German Office Action involving counterpart German Patent Application", No. 102004025775, (2/16/2007),2-54	
		"English Translation of German Office Action involving counterpart German Patent Application", No. 102004025775, (02/16/2007),2-54	
		SKLAR, B. "Digital Communications: Fundamentals and Applications", 2nd Ed., Upper Saddle River, NJ: Prentice Hall PTR, (2001),	
		SIALM, et al., "Ultra-Fast CMOS Transceiver Design for Optical Interconnect Applications", Website: www.ife.ee.ethz.ch/rfic/ Link: 10 Gbit/s Optolink,	
		PEPELJUGOSKI, P. et al., "Improved Performance of 10 Gb/s Multimode Fiber Optic Links Using Equalization", Optical Fiber Communications Conference, OFC 2003, Vol 2., (March 23-28 2003),472-474	
		PALLOTTA, ANDREA et al., "A Low-Power Clock and Data Recovery Circuit for 2.5 Gb/s SDH Receivers", ISLPED, Rapallo, Italy, (2000),67-72	
		TAKESHITA, T. "A 622Mb/s Fully-Integrated Optical IC with a Wide Range Input", IEEE, International Solid-State Circuits Conference, (2002),	
		"German Office Action; involving counterpart German Patent Application", No. 10 2004 028 117, (11/2/2006),3-54	
		"English translation of German Office Action; involving counterpart German Patent Application", No. 10 2004 028 117, (11/2/2006),3-54	
		"German Office Action; involving counterpart German Patent Application", No. 10 2004 028 117, (03/20/2007),3-54	
		"English translation of German Office Action; involving German Patent", No. 10 2004 028 117, (03/20/2007),3-54	
		"German Office Action; involving counterpart German Patent Application No.", 102004026990, (02/21/2007),4-54	

EXAMINER DATE CONSIDERED

PTO/SB/08a(04-07)
Approved for use through 7/31/2006. OMB 0651-0031
US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO

INFO	RMATION	DISCLOSU	RE		Complete if Known
STAT	EMENT BY	APPLICA	NT	Application Number	10/665,680
				Filing Date	September 19, 2003
				First Named Inventor	Kendra Gallup
				Art Unit	2883
				Examiner Name	Chiem, Dinh D.
a	Jse as many shee	ts as necessaru)			
,	as as many snoo	is as neossary,			
Shoot	5	of	F	Attorney Docket No: 1	0030768-01

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"English translation of German Office Action involving counterpart German Patent Application No.", 102004026990, (02/21/2007),4-54	

of

Sheet

EXAMINER DATE CONSIDERED